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DJSC 839001

MICROFILMED

FINAL REPORT

PERMIT TO ENTER AND SEARCH
NO. 1936 HAMPSHIRE AREA NORTHERN
TASMANIA

AMG REFERENCE POINTS ADDED

I.D. PICKEN
COMALCO LTD.
95 Collins St.,
MELBOURNE 3000.

001

FINAL REPORTPERMIT TO ENTER AND SEARCH
NO. 1936 HAMPSHIRE AREA NORTHERN
TASMANIASUMMARY:-

On the 30th August, 1971, an agreement was entered into between the McClarm Prospecting Syndicate and the Commonwealth Aluminium Corporation Limited, regarding the exploration of Permit to Enter and Search Number 1936.

Unfortunately analyses of additional rock and soil samples taken on fluorite anomalies, outlined in our original grid sampling program, has discounted the likelihood of an economic fluorite orebody existing within the Permit area. Due to the failure of this supplementary sampling program to verify the original anomalous areas the Commonwealth Aluminium Corporation Limited considers that further exploration in this area is not warranted and hence has decided to exercise its right to withdraw from the agreement it has with the McClarm Prospecting Syndicate.

The bedrock of the area is Ordovician aged sandstone, quartzites, shales, hornfels and calc-silicate rocks. These sediments have been folded, faulted and intruded by a coarse grained gray Devonian granite. Minor mineralization on the flanks of this intrusion has resulted in the Hampshire Silver Mine. This mine was worked in the 1880's for silver but closed due to the lack of economic ore being encountered.

Mineralization in the mine is confined to a small shear zone on the flank of the granite intrusion. Associated with the mineralization are small discontinuous pods of white, purple and brown fluorites. Exploration in this area by Comalco Limited was orientated to discover a possible extension of this fluorite in the form of:-

1. Fracture filling load deposit
2. Selective replacement of either calc-silicate rocks or limestones (Outcropping in Limestone Creek).

Tertiary basalt caps the ridges in the area and was not sampled or examined specifically.

INITIAL PROGRAM:-

A grid was marked out within the Permit area over the outcropping, or inferred, Ordovician and granitic rocks. The grid consists of lines cut along a magnetic bearing of $110^{\circ}/290^{\circ}$ from a base track on each bank of the Emu River. The grid lines are approximately 250 feet apart and extend for approximately one mile up stream from where the Hampshire to Natone Road crosses the Emu River. Each line is flagged with plastic tape and aluminium tags.

002

Hand Auger soil samples were taken from the zone just above bedrock and tested for fluorine. These samples were taken at 50 foot intervals along each grid line. Each location was tagged for future relocation. The grid lines terminated at, or just onto, the dissected basalt.

To supplement the auger soil samples water and rock samples were taken and analysed for fluorine. Limestone and water in Limestone Creek were sampled and analysed.

FOLLOW UP PROGRAM:-

As a result of the initial sampling program two anomalous areas were outlined. It was decided to re sample these areas on a close grid Utilizing trenches constructed with a D9 bulldozer hired from APPM - see attached plan.

Twenty-three selected rock samples from this follow up program were analysed for fluorine. In addition thirteen of these samples were also assayed for tungsten. These results proved negative.

The general opinion of the country rock, in the vicinity of the granite, is that it is "too tight" for fluoritization to have occurred. Further more silicification appears to have occurred over a wide area e.g. silicification of the limestones in Limestone Creek to form Wollastonite (CaSiO_3). The silica rich solutions most probably predominated during the time of intrusion, hence excluding fluorine.

A small zone of magnetite/hematite was exposed in trench No. 2 during trenching operations. This is not considered economic.

The gridlines, and supplementary sampling locations are marked on the plan of the area - attached with this report.

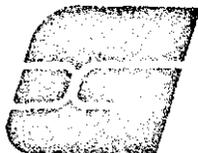
ASSAY RESULTS:-

The results of water, soil, and rock analyses are attached. Gaps indicate that the sample was not submitted for analysis.

RECOMMENDATION:-

That no further exploration work be undertaken in this area for fluorite.

003



J. D. Fickel

839004

DANIEL C. GRIFFITH (AUSTRALIA) PTY. LTD.

DANIEL C. GRIFFITH EXPLORATION LABORATORIES

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INCORPORATING R. J. GLUYAS & CO.

5 BISHOP'S PLACE, KENSINGTON, S.A., 5068. TELEPHONE 31 8533

Our Job No. E71/511

November 24, 1971

Comalco Limited,
GPO Box 2773Y,
Melbourne. 3001

ASSAY REPORT

<u>Sample No's.</u>	<u>% F</u>	<u>WO₃ ppm</u>
T1/10	0.03	< 2
T1/17	0.09	10
T2/01	0.07	8
T2/02	0.01	4
T2/07	0.06	57
T2/09	0.08	8
T4/13	0.04	12
T4/14	0.01	16
T4/15	0.04	< 2
T5/01	0.01	< 2
T5/02	0.04	< 2
T5/03	0.03	< 2
T5/04	0.05	7
O11W/10	0.02	
O11W/10W	0.01	
O11W/10N	0.02	
O11W/10E	0.02	
O11W/10S	0.02	
HAMP 25	0.34	
HAMP 26	0.04	
HAMP 27	0.02	
HAMP 28	0.03	
HAMP 29	0.04	

Methods:- WO₃ - dithiol, colorimetric
 F - fusion, titrimetric

For and on behalf of
DANIEL C. GRIFFITH (AUSTRALIA) PTY. LTD.

B. V. Jones
B. V. JONES,
Chief Chemist.

Assayers — Analytical Chemists — Samplers
Offices in: Japan — Far East — Europe — North America

004

839005

Project 07/05

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis:		Counts per second.	Remarks.
line	Sample No	FPM.	FPM		
001	1	200			
"	2	200			
002	1	200			
"	2	200			
"	3	100			
002A	1	230			
"	2				
"	3	340			
"	4	270			
"	5	210			
"	6	100			
"	7	150			
003	1	300			
"	2	300			
"	3	300			
"	4	300			
"	5	300			
"	6	200			
"	7	200			
003A	1	240			
"	2	340			
"	3	150			
"	4				
"	5	180			
"	6	100			
"	7	160			
"	8				
"	9				
"	10				

005

Project 839006
07/05

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
line	Sample No	FPM.	CPM		
004	1	200			
"	2	200			
"	3	200			
"	4	200			
"	5	200			
"	6	190			
"	7				
"	8	120			
"	9				
"	10	140			
"	11				
"	12	70			
005	1	200			
"	2	100			
"	3	200			
"	4	200			
"	5	100			
"	6	200			
"	7	200			
"	8	200			
"	9	200			
"	10	200			
"	11	500	500 rpm		
"	12	400			
006	1	400			
"	2	400			
"	3	300			
"	4	300			
"	5	300			

Auger Soil Sample Analysis Results.
McClara Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis.			Counts per	Remarks.
Grid-line	Sample No	F ppm.	F ppm	Second.		
006	011	6	300			
"	"	7	300	0.67-8	300ppm F.	
"	"	8	300			
"	"	9	300			
"	"	10	300			
"	"	11	300			
"	"	12	300			
"	"	13	300			
"	"	14	300			
"	"	15	200			
007	"	1	200			
"	"	2	0.11% F			
"	"	3	900			
"	"	4	500			
"	"	5	400			
"	"	6	300			
"	"	7	700			
"	"	8	300			
"	"	9	0.11% F			
"	"	10	400			
"	"	11	300			
"	"	12	300			
"	"	13	500			
"	"	14	300			
"	"	15	400			
008	"	1	400			
"	"	2	300			
"	"	3	300			
"	"	4	300			

007

Project 839008
07/05

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per second.	Remarks.
line	Sample No	F ppm.	F ppm		
008 add	5	300			
"	6	300			
"	7	200			
"	8	200			
"	9	200			
"	10	200			
"	11				
"	12				
"	13	130			
"	14				
"	15				
"	16	240			
"	17	150			
"	18				
"	19	140			
"	20				
009	1	300			
"	2	200			
"	3	200			
"	4	300			
"	5	200			
"	6	200			
"	7	200			
"	8	200			
"	9	200			
"	10	200			
"	11	150			
"	12				
"	13				

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
line	Sample No	Fppm.	Fppm		
009 old	14	260			
"	15				
"	16				
"	17	170			
"	18				
"	19				
"	20	110			
"	21				
"	22	100			
"	23	280			
"	24	200			
"	25	150			
010	1	200			
"	2	200			
"	3	200			
"	4	200			
"	5	200			
"	6	200			
"	7	300			
"	8	300			
"	9	300			
"	10	300			
"	11	300			
"	12	300			
"	13	200			
"	14	200			
"	15	300			
"	16				
"	17				

009

Auger Soil Sample Analysis Results.
 McClara Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	Fppm.	ppm		
010 ad	18	190			
"	19				
"	20				
"	21	120			
"	22				
"	23				
"	24	130			
"	25				
"	26				
"	27	100			
"	28	70			
"	29	280			
"	30	130			
011	1	500			
"	2	0.46F			
"	3	0.07F			
"	4	300			
"	5	300			
"	6	400			
"	7	300			
"	8	300			
"	9	300			
"	10	300			
"	11	300			
"	12	300			
"	13	200			
"	14	200			
"	15	200			
"	16				

011

839011

Project 07/05

Auger Soil Sample Analysis Results.
 McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
line	Sample No	F ppm.	F ppm		
011	AA	17	230		
"		18			
"		19			
"		20	190		
"		21			
"		22			
"		23	160		
"		24			
"		25			
"		26	140		
"		27			
"		28			
"		29	100		
"		30	250		
"		31			
012		1	200		
"		2	200		
"		3	200		
"		4	200		
"		5	200		
"		6	200		
"		7	200		
"		8	200		
"		9	200		
"		10	200		
"		11	200		
"		12	200		
"		13	200		
"		14	200		

110

839012

Project 07/05

Auger Soil Sample Analysis Results.
 McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
line	Sample No	FBPM.			
012 add	15	200	012/14-15 200	PPMF.	
"	16	200			
"	17	200			
"	18	200			
"	19	200			
"	20	100			
"	21				
"	22				
"	23				
"	24				
"	25				
"	26				
"	27				
"	28				
"	29				
"	30				
"	31				
"	32				
"	33				
"	34				
"	35				
"	36				
"	37				
013	1				
"	2				
"	3				
"	4				
"	5				
"	6				

012

839013

Project 07/05

Auger Soil Sample Analysis Results.
McClarm Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	Fppm.	ppm		
013 add	7	200			
"	8	200			
"	9	200			
"	10	200			
"	11	200			
"	12	200			
"	13	200			
"	14	200			
"	15	200			
014	1	200			
"	2	200			
"	3	400			
"	4	300			
"	5	400			
"	6	400			
"	7	400			
"	8	300			
"	9	300			
"	10	300			
"	11	300			
"	12	400			
"	13	300			
"	14	200			
"	15	300			
"	16	300			
"	17	300			
"	18	200			
"	19	200			
"	20	200			

013

Project 030304
07/05

Auger Soil Sample Analysis Results.
McClure Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	From	To		
014 old	21	200			
"	22	200			
"	23	200			
"	24	200			
"	25	200			
"	26	200			
"	27	200			
"	28	200			
"	29	100			
"	30	100			
015	1				
"	2				
"	3	450			
"	4	200			
"	5				
"	6	210			
"	7				
"	8				
"	9	350			
"	10				
"	11				
"	12	310			
"	13				
"	14				
"	15	310			
"	16				
"	17				
"	18	250			
"	19				

014

839015
Project 07/05

Auger Soil Sample Analysis Results.
McClure Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No.	From	To		
015 old	20	210			
016	1				
"	2	100			
"	3				
"	4				
"	5	150			
"	6				
"	7				
"	8	100			
"	9				
"	10				
"	11	150			
"	12				
"	13				
"	14	260			
"	15				
"	16				
"	17	180			
"	18				
"	19				
"	20	100			
"	21				
"	22				
"	23	260			
"	24				
"	25				
"	26	450			
"	27				
"	28				

015

Project 839016
07/05

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No.	Fppm.	Fppm		
016 Ad	29	150			
"	30				
017	1	130			
"	2				
"	3				
"	4	140			
"	5				
"	6				
"	7	160			
"	8				
"	9				
"	10	160			
"	11				
"	12				
"	13	280			
"	14				
"	15				
"	16	320			
"	17				
"	18				
"	19	290			
"	20				
018	1				
"	2	190			
"	3				
"	4				
"	5	150			
"	6				
"	7				

016

Project 07/05
839017Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	F ppm.	F %		
018 old	8	230			
"	9				
"	10				
"	11	380			
"	12				
"	13				
"	14	370			
"	15				
"	16				
"	17	560			
"	18				
"	19				
"	20	400			
"	21				
"	22				
"	23	280			
"	24				
"	25				
"	26	300			
"	27				
"	28				
"	29	250			
"	30				
019	1	360			
"	2				
"	3	460			
"	4				
"	5				
"	6	440			

017

Project 07/05
839018

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No.	ppm. Fluorite			
019 add	7				
"	8				
"	9	540			
"	10				
"	11				
"	12	430			
"	13				
"	14				
"	15	270			
"	16				
"	17				
"	18	250			
"	19				
"	20				
020	1				
"	2				
"	3	330			
"	4				
"	5				
"	6	330			
"	7				
"	8				
"	9	210			
"	10				
"	11				
"	12	230			
"	13				
"	14				
"	15	250			

015

Project 07/05
839020

Auger Soil Sample Analysis Results.
McClarm Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
line	Sample No	F ppm	U ppm		
001 W	1	180			
"	2				
"	3	170			
"	4	130			
"	5	140			
002 W	1	170			
"	2	110			
"	3	40			
"	4	130			
"	5	20			
003 W	1	90			
"	2	130			
"	3	140			
"	4	120			
"	5	100			
"	6	90			
"	7	60			
"	8	70			
"	9	70			
"	10	60			
004 W	1	70			
"	2	100			
"	3	70			
"	4	180			
"	5	70			
"	6	60			
"	7	80			
"	8	90			
"	9	110			

020

Project 07/05

839021

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	ppm.	ppm		
004 W (old)	10	90			
005 W	1	70			
"	2	80			
"	3	70			
"	4	70			
"	5	80			
"	6	70			
"	7	120			
"	8	130			
006 W	1	100			
"	2	110			
"	3	220			
"	4	170			
"	5	150			
"	6	140			
"	7	180			
007 W	1	120			
"	2				
"	3				
"	4	160			
"	5				
"	6				
"	7	210			
"	8				
"	9				
"	10	130			
"	11				
"	12	160			
008 W	1	190			

021

Project 07/05
839022

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second	Remarks
line	Sample No	Fppm.	ppm		
008 W (old)	2				
"	3				
"	4	190			
"	5				
"	6				
"	7	220			
"	8				
"	9				
"	10	190			
"	11				
"	12	150			
009 W	1	140			
"	2				
"	3				
"	4	120			
"	5				
"	6				
"	7	230			
"	8				
"	9				
"	10	140			
"	11				
"	12	120			
010 W	1				
"	2	140			
"	3				
"	4	170			
"	5	130			
"	6				

022

Project 07/05
839023Auger Soil Sample Analysis Results.
McClarm Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No.	Frem.	F ₂₃₅		
010 W old	7				
"	8	100			
"	9				
"	10	130			
011 W	1	250			
"	2				
"	3				
"	4	180			
"	5				
"	6				
"	7	160			
"	8				
"	9	60			
"	10	0.98%			
012 W	1	240			
"	2				
"	3				
"	4	260			
"	5				
"	6				
"	7	190			
"	8				
"	9				
"	10	140			
"	11				
"	12	190			
013 W	1				
"	2	220			
"	3				

023

Project 07/05

839024

Auger Soil Sample Analysis Results.
McClure Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	Fppm.	F ₂ O ₃		
013W (old)	4				
"	5	540			
"	6				
"	7				
"	8	190			
"	9				
"	10				
"	11	160			
"	12				
014W	1				
"	2				
"	3	160			
"	4				
"	5				
"	6	220			
"	7				
"	8				
"	9	300			
"	10				
"	11				
"	12	260			
015W	1				
"	2	150			
"	3				
"	4				
"	5	130			
"	6				
"	7				
"	8	110			

024

Project 07/05
839025Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No	Fpm.	Fpm.		
015W(odd)	9				
"	10	160			
"	11	Not			
"	12	Taken			
"	13				
"	14				
"	15				
016W	1				
"	2	120			
"	3				
"	4				
"	5	100			
"	6				
"	7				
"	8	160			
"	9				
"	10				
"	11	130			
"	12				
"	13	120			
"	14				
"	15	130			
017 W	1	160			
"	2	80			
"	3				
"	4				
"	5	100			
018 W	1	100			
"	2				

025

Project 07/05
839026

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per	Remarks.
Line	Sample No	F ppm	ppm	Second.	
018W dA	3				
"	4	80			
"	5				
"	6				
"	7	N.D.			
"	8				
"	9				
"	10	N.D.			
019W	1	130			
"	2				
"	3				
"	4	80			
"	5				
"	6				
"	7	100			
"	8				
"	9				
"	10	80			
"	11				
"	12				
"	13	60			
"	14				
"	15	120			
020W	1	70			
"	2	90			
"	3				
"	4	N.D.			
"	5				
"	6				

026

Project 07/05
839027

Auger Soil Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Location		Analysis		Counts per Second.	Remarks.
Line	Sample No.	From	To		
020W(1d)	7	ND.			
"	8				
"	9				
"	10	N.D.			
"	11				
"	12				
"	13	120			
"	14				
"	15				
"	16	N.D.			
"	17				
"	18				
"	19	N.D.			
"	20				
Pines near Railway.	—	100			
L.W.	1	110			low water ch.
"	2	ND			"
"	3				"
"	4	N.D.			"
"	5				"
"	6				"
"	7	N.D.			"
"	8				" 1000' from Eau.

028

Project: 07/05

839029

Water Sample Analysis Results.
McClarn Fluorite Prospect - Hampshire, Tasmania.

Water Sp Number	Approx. location on map.	Fluorine P.p.M.	P.H.	Remarks.
1	020/1	0.3	6.0	Emu River
2	020/26	0.2	4.0	Soak
3	020/28	0.1	3.6	Soak - edge pine plantation.
4	020/30	0.1	4.5	Small gully - 100 yds 110' mag from 020/30
5	020/30	0.1	4.6	Creek - 300 yds 110' mag. from 020/30
6	017/1	ND	6.2	Creek on track
7	018/1	"	6.0	Emu River
8	014/18	"	6.4	Creek
9	016/5	"	5.3	Soak
10	016/1	"	5.8	Soak
11	016/1	"	6.0	Emu River
12	011W/1	"	6.1	Emu River
13	010W/2	"	4.9	-
14	010W/1	"	6.0	Emu River
15	010W/2	"	6.2	Creek
16	010W/10	"	6.4	Creek
17	009W/1	"	6.2	Emu River
18	011W/9	"	6.4	Creek.
19	001/1	0.5	6.3	30 feet from Emu River
20	004/1	0.4	5.8	5 feet from Emu River
21	010W/1	0.2	5.5	Creek
22	004/1	0.4	5.9	At edge of Emu River
23	006/1	0.2	5.3	Soak edge Emu River
24	009/1	0.1	6.0	Creek 20 yds from Emu River
25	011/1	0.1	6.3	Emu River
26	011/1	1.1	6.5	Mine Entrance
27	011/11	0.2	6.5	Creek
28	011/31	0.1	6.2	Big Creek.
29	010/30	0.6	6.7	Soak
30	010/30	0.2	6.4	Soak

Water Sample Analysis Results.
M^c Clarm Floorite Prospect - Hampshire, Tasmania.

Water Sp ^t Number	Approx. Location on map.	Fluorine P.P.M.	P.H.	Remarks.
3 1	010/11	0.3	6.0	Creek
3 2	010/1	0.2	6.3	Emu River
3 3	011/1	0.2	4.8	Soak on track
3 4	011/1	0.2	4.7	Creek on track
3 5	010W/1	0.1	6.0	" "
3 6	010W/1	0.1	5.4	" "
3 7	008W/1	0.1	6.3	Emu River
3 8	008W/1	0.1	6.1	Creek on track
3 9	007W/1	0.1	5.7	" "
4 0	007W/1	0.1	5.2	" "
4 1	007W/1	0.1	6.2	Emu River
4 2	007W/1	0.2	6.5	Creek
4 3	006/1	0.1	6.2	Emu
4 4	006/1	0.2	5.3	Soak on track
4 5	006/6	0.1	6.7	Big Creek
4 6	006/7	0.4	6.2	Swampy Creek
4 7	007/9	0.1	6.4	Big Creek
4 8	007/1	0.1	6.4	Emu
4 9	008/1	0.1	6.8	Emu
5 0	007/11	0.1	5.5	Soak/creek
5 1	008/9	0.1	5.1	Soak/creek
5 2	008/14	0.2	5.5	"
5 3	008/17	0.1	6.2	"
5 4	008/18	0.1	6.4	Big Ck
5 5	009/25	0.1	6.3	Big Ck
5 6	009/22	ND	6.7	Soak/creek
5 7	009/19	"	6.1	"
5 8	009/1	"	6.5	Emu River
5 9	009/1	0.2	5.6	Soak
6 0	080° M from end of line 18	0.1	6.2	Big Creek

030

Water Sample Analysis Results. 839031
 M^cClaren Fluorite Prospect - Hampshire, Tasmania.

Water Spl Number	Approx. Location on map.	Fluorine p.p.m.	P.H.	Remarks.
61	012 31	0.3	6.0	Big ck
62	012 1	0.3	6.1	Em R
63	013 1	0.4	5.0	Soak
64	013 1	0.3	6.2	Em River
65	013 3	0.3	5.8	ck
66	013 4	0.3	5.8	ck
67	014 29	0.3	6.2	Big ck
68	014 1	0.3	6.3	Em River
69	013 1	0.3	5.7	ck
70	014 1	0.3	5.2	-
71	017 1	0.3	6.2	Em River
72	017 7	0.3	6.2	Soak
73	015 2	0.3	5.0	Soak
74	015 1	0.3	6.2	Em River
75	018 1	0.3	5.9	Creek on track
76	019W 13	0.2	6.0	Creek
77	019W 11	0.2	5.9	"
78	019W 3	0.6	5.4	"
79	019W 1	0.3	6.1	Em River
80	020W 1	0.4	6.3	Em River
81	020W 5	0.2	5.6	Soak/Creek
82	020W 8	0.2	4.5	Soak
83	020W 14	0.2	6.4	Soak
84	020W 17	0.2	6.2	Creek
85	019W 16	0.2	6.0	Creek
86	019W 15	0.2	5.4	Soak
87	019 16	0.1	5.0	Soak near pines
88	019 16	0.1	3.8	"
89	019 1	0.3	6.2	Em River
90	019 1	0.1	6.2	Creek

Water Sample Analysis Results. 839032
 McClarn Floerite Prospect - Hampshire, Tasmania.

037

Water Spt Number	Approx. Location on map.	Fluorine p.p.m.	P.H.	Remarks.
9 1	020/1	0.2	6.1	Soak
9 2	020/1	0.2	6.3	Soak
9 3	020/1	0.1	5.6	soak
9 4	020/28	0.1	3.8	Soak
9 5	020/30 (road off)	ND	4.2	Crack
9 6	off end of line 20 (100°M)	"	6.0	Big Creek.
9 7		"	6.2	
9 8		"	5.5	
9 9		"	5.6	
10 0		"	6.6	
10 1		"	6.3	
10 2	Outside 07/05 area	"	6.0	on 7 P.P.M. roads
10 3	towards Valentinesk.	"	5.4	water off Valentines
10 4		"	5.0	Peak.
10 5		"	4.2	
10 6		0.1	4.5	
10 7		0.1	5.1	
10 8		ND	5.8	
10 9		"	4.3	
10 0		"	5.6	
11 1		"	6.2	
11 2		"	4.0	
11 3	001/1	"	6.3	Emu River
11 4	001/1	0.6 -	6.2	Soak on Track
11 5	002/1	0.1	6.5	Emu River
11 6	002/3	0.3	6.2	Soak from under hill
11 7	002A/1	0.3	6.3	Emu River
11 8	002A/1	0.7 -	6.6	Soak on Track
11 9	002A/3	1.4 -	5.7	Soak
120	002A/5	0.5 -	6.4	"

839033

Water Sample Analysis Results.
 Mc Clarm Floorite Prospect - Hampshire, Tasmania.

Water Sp Number	Approx. Location on map.	Fluorine p.p.m.	P.H.	Remarks.
121	003A/1	0.1	6.4	Emu River
122	011W/1	0.1	5.1	Soak on track
123	012W/1	ND	6.2	Emu River
124	012W/2	0.1	5.8	—
125	013W/1	ND	6.3	Emu River
126	012W/1	"	6.0	Creek on track
127	014W/1	"	6.3	Emu River
128	014W/10	"	6.5	Creek
129	016W/5	"	6.0	Creek
130	016W/1	"	6.4	Emu River
131	015W/1	"	6.4	Soak on track
132	015W/1	"	6.3	Creek "
133	015W/1	"	4.8	Creek on track
134	015W/1	"	6.3	Emu River
135	015W/4	"	6.2	Creek
136	015W/7	"	6.6	Creek
137	015W/6	"	6.2	Creek
138	017W/5 L.W./1	"	6.1	Loudwater Creek (Liberation)
139	" L.W./1	"	6.6	Loudwater CK.
140	" LW/4 → LW/5	"	7.0	Loudwater Creek (Liberation)
141	" LW/6 → LW/7	"	6.2	Loudwater CK. Liberation
142	001W/1	"	5.8	Creek on track
143	001W/1	0.1	5.8	Soak
144	004W/1	0.1	5.6	Soak
145	004W/1	ND	6.3	Emu River
146	005W/1	"	6.7	Soak on track
147	005W/1	"	6.6	Creek " "
148	006W/1	0.1	6.0	Creek " "
149	007W/1	ND	6.3	Emu River
150	006W/1	"	6.7	" "

Water Sample Analysis Results.
 Mc Clara Floortz Prospect - Hampshire, Tasmania.

Water Spt Number	Approx. Location on map.	Floortz P.P.M.	P.H.	Remarks.
151	005 w/1	0.1	6.6	Emu River
152	004 w/4	0.1	6.8	creek
153	004 w/1	0.1	6.7	Emu River
154	003 w/1	0.2	6.5	" "
155	003 w/3	0.4	5.1	Bore hole
156	002 w/2	0.3 0.3	6.8	creek.
157	001 w/1	0.2	6.6	Emu River
158	001 w/2	0.2	6.3	creek
159	3A-5	0.1	5.6	Bore hole - Dirty Water
160	Creek near Kana	0.2	6.0	O. Luck
161	Creek above Balls	0.2	6.4	O. Luck
162	River Past Natone	0.4	6.5	O. Luck
163	03A-3	3.5-	5.1	Bore hole
164	18w-3	0.2	5.6	soak creek
165	295° N from line 1W	0.2	5.3	Behind rail Stn. beside Pines
166	010 - 09w / 3 → 4	0.4	6.2	old Mine Drive
167	04-3	1.8-	4.5	Bore hole
168	02A-4	1.0-	6.3	Bore hole
169	17W-1	0.3	6.5	Emu R.
170	04-2	0.8-	6.0	Bore hole
171	03A-4	3.7-	4.2	Bore hole
172	03-3	1.3-	4.9	Bore hole
173	03-2	1.2-	5.0	Bore hole
174	03A-6	0.3	5.3	Bore hole
175	18w-1	0.2	6.3	Bore hole
176	03A-2	0.8-	4.5	Bore hole
177	17w-2	0.2	6.2	Creek Soak
178	020/29	0.2	4.7	soak on track
179	on track 011W → Railway	0.1	5.2	Soak near railway
180	wc002 → line 003	2.1 -	Not Measured	back beside Emu R - Soak from ea.

J 1
839035

Water Sample Analysis Results.
M^c Clara Fluorite Prospect - Hampshire, Tasmania.

Water Sp. Number	Approx. Location on map.	Fluorine P.P.M.	P.H.	Remarks.
181	line 003 → line 004 ^{crack near Emu R.}	0.4	Not Measured	small CK from East
182	line 004 → line 005 ^{crack near Emu R.}	0.4	"	small CK from East
183	003/1	0.2	"	Emu R.
184	003/2	1.1	"	crack
185	003/3	0.4	"	crack
186	003/5	0.8	"	crack
187	004/1	0.1	"	Emu R.
188	004/2	0.2	"	small CK from East
189	005/1	0.1	"	Emu R.
190	005/1a	ND	"	small CK from East
191	005/4	0.2	"	crack
192	005/10	0.2	"	crack
193	006/1	ND	"	Emu R.
194	006/1a	"	"	Soak from East
195	006/6	"	"	crack
196	006/7	0.1	"	crack
197	Nature Pt. Bridge over Emu R.	0.1	"	
198	004/1	0.8	"	Emu River
199	003/1	1.7	"	Soak
200	003/2	1.1	"	crack
201	004/5	0.5	"	crack
202	008/15	0.1	"	crack
203	042/31	0.1	"	crack
204	on basalt - east 012	ND	"	crack
205	Lake Kara	ND	"	dam
206	Limestone Cr.	0.4	"	location LST 01
207	"	0.3	"	" " 02
208	"	0.2	"	" " 03
209	"	0.2	"	" " 04
210	"	0.2	"	" " 05

035

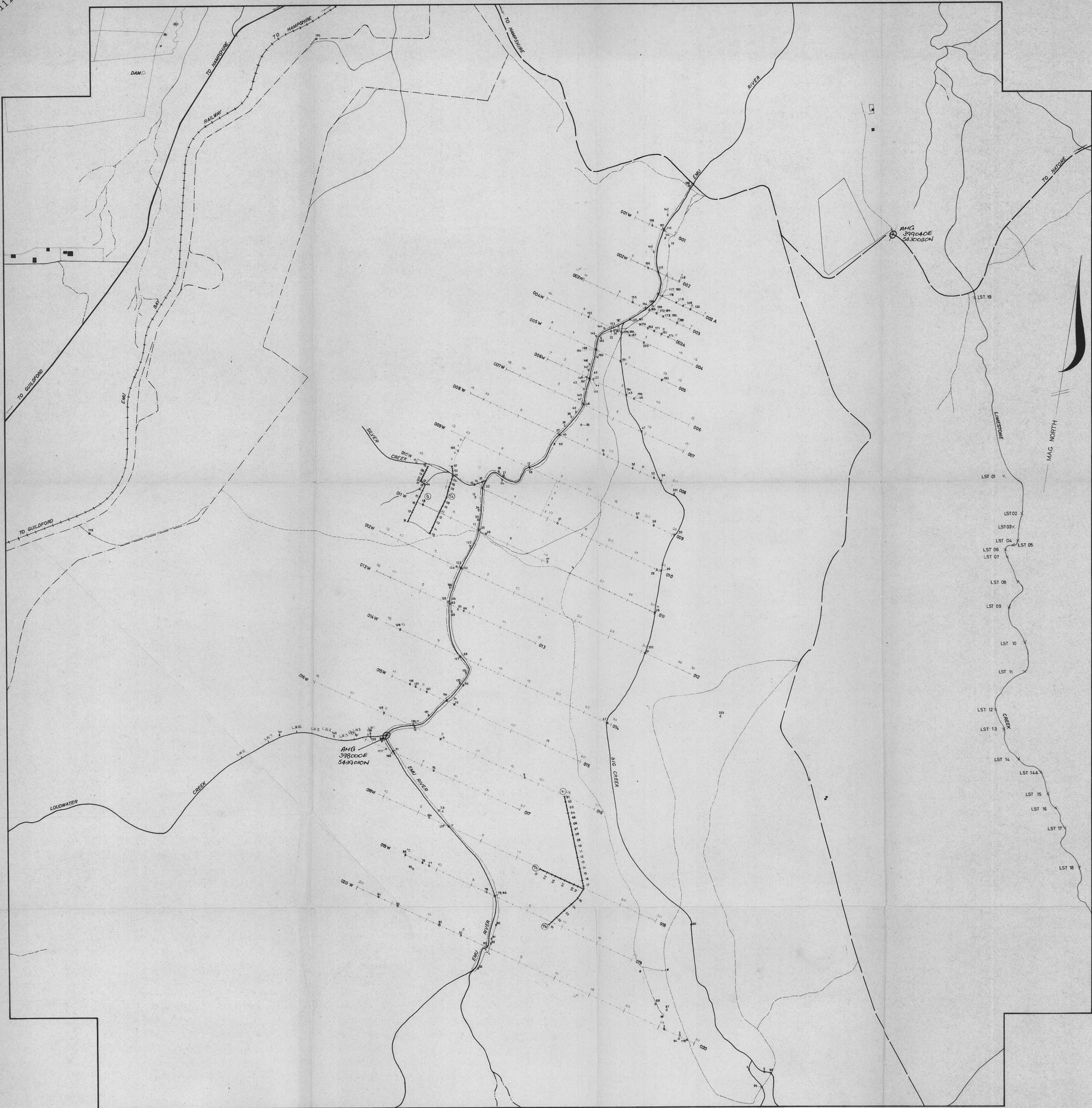
Water Sample Analysis Results

McClarm Fluorite Prospect - Hampshire, Tasmania.

Project 0400

839036

Water No.	Approx. Locn. on Map.	F ppm	pH.	Remarks
211	limestone cke.	0.2	Not Measured	location LST: 06
212	"	0.3	"	" " 07
213	"	0.2	"	" " 07
214	"	0.2	"	" " 08
215	"	0.2	"	" " 08
216	"	0.1	"	" " 09
217	"	0.1	"	" " 10
218	"	0.1	"	" " 10
219	"	0.1	"	" " 11
220	"	0.2	"	" " 11
221	"	0.1	"	" " 12
222	"	0.4	"	" " 14
223	"	0.2	"	" " 15
224	"	0.0	"	" " 16
225	"	0.2	"	" " 17
226	"	0.2	"	" " 18
227	"	0.2	"	" " 19
228	"	0.2	"	" " 19
229	"	0.1	"	" " 19
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
0				



LEGEND

- | | |
|-----------------------------|---|
| ROAD, SEALED, FORMED GRAVEL | WATER SAMPLE |
| TRACK | SOIL AUGER GRID SAMPLE — EAST BANK EMU RIVER |
| SINGLE TRACK RAILWAY | WEST BANK |
| RIVER OR CREEK | SAMPLE LOCATION LIME STONE CREEK |
| STREAM PERENNIAL OR GULLY | LOUDWATER CREEK |
| HOUSES | BULLDOZER TRENCH TO BEDROCK TRENCH & SAMPLE No. |
| PINE PLANTATION | BULLDOZED TRACK |
| POSITION APPROX. | |

839037

5 cm

COMALCO LIMITED		
McCLARM FLUORITE PROSPECT.		
HAMPSHIRE - TASMANIA		
COMPILED M.W. IDP	DRAWN M.W.	EXPLORATION DEPARTMENT
DATE: 20-10-71	APPROX SCALE: 250 FEET TO 1 INCH	N° TAS/HAM/71/6

1113

93622 71-789

AMG REFERENCE POINTS ADDED